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Science, which prefers facts to hypotheses, has not yet sufficient materials to assure us whether, and by what means or in what ways, the original species were first diffused from single centres over distant parts of the earth ; but all we know of the arctic and northern regions shows that their vegetation is very homogeneous. This synopsis may help to show, with regard to Willows, that there are many links connecting Europe and America.

[NOTE. — There are about ten species of *Salix* from Oregon and the Rocky Mountains described, and two or three of them figured, in Nuttall's North American Sylva, which remain unknown to Prof. Andersson : all or most of them he may be able to identify, when the volume reaches him, with species enumerated in this Synopsis. A. G.]

Four hundred and fifty-first meeting.

May 11, 1858. — MONTHLY MEETING.

The Academy met at the house of B. A. Gould, Esq. .

The PRESIDENT, and afterwards the VICE-PRESIDENT, in the chair.

The Corresponding Secretary read the following letters, viz. : — From the Académie des Sciences, etc. de Dijon, January 18, 1857 ; Société des Sciences Naturelles de Cherbourg ; Det Kongelige Danske Videnskabernes Selskab, June 30, 1857 ; K. Akademie der Wissenschaften, Wien, August 10, 1857 ; Royal Society of Sciences, Upsal, October 11, 1857 ; Société Linnéenne de Normandie, November 29, 1857 ; Trustees of Boston Athenæum, April 10, 1858 ; and the Boston Society of Natural History, May 1, 1858, acknowledging the receipt of the Academy's publications ; — from the Director der Sternwarte, Breslau, October 23, 1857, in acknowledgment of the same, and presenting a work on Climatology ; — from the Académie des Sciences de Dijon, January 18, 1857 ; Det Kongelige Danske Videnskabernes Selskab, June 30, 1857 ; K. Akademie der Wissenschaften, Wien, December 17, 1857 ; Université Royale de Christiania, November 10, 1857 ; Nicholas Manzini, Havana, December 10, 1857 ; and Colonel J.

D. Graham, U. S. A., Chicago, May, 1858, presenting their various publications;— and from the Royal University of Christiania, Norway, November 7, 1857, presenting a medal in honor of Christopher Hansteen.

Mr. Sherwin made a communication upon a curious property of numbers. He also spoke, in the way of inquiry, of the supposed low temperature of water at a great depth in the ocean.

Mr. F. H. Storer doubted the fact of such a low degree of temperature under these circumstances; he thought the indications of the self-registering thermometer were not reliable.

Mr. Folsom exhibited a stone slab bearing a Latin inscription of the date of 1703. Part of the stone was wanting; but Mr. Folsom made a conjectural restoration of the missing portion of the inscription. It related to Castle William, in Boston Harbor. It was found by Mr. Folsom in the attic of the old Athenæum building, in Pearl Street.

Professor Lovering referred to the laying down of the Oceanic Telegraph cable between England and America, and gave an account of Captain Blakely's strictures upon the method pursued, which overlooked the great resistance of the water to the stretching of the cable straight, and the necessity, which followed from this resistance, of the vertical descent of each point of the cable, and its being slack on the bottom, and of the length therefore *required* exceeding that originally calculated.

Dr. W. F. Channing followed in some remarks, speaking particularly of the retardation of the current by the sheathing of iron wire.

Professor Horsford described a method of illustrating the interference of the waves of sound, used by Mr. Gould, a student in the Cambridge Scientific School. A tuning-fork was held over a vessel, the length of which was changed by pouring in water until it was in tune with the fork. While the fork is vibrating, it is turned round on its long axis.

DONATIONS TO THE LIBRARY,
FROM APRIL 25, 1857, TO APRIL 16, 1858.

D. F. L. von Schlechtendal.

Linnæa, Ein Journal für die Botanik in ihrem ganzen Umfange.
Band XXVII. Heft 5 und 6. Band XXVIII. Heft 1 – 3. 8vo.
Halle. 1855 – 56.

Natural History Society of the Prussian Rhineland and Westphalia.

Verhandlungen. XIII. Jahr, Heft 2, 3, und 4. XIV. Jahr,
Heft 1. 8vo. Bonn. 1856 – 57.

Royal Bohemian Society of Science.

Abhandlungen. 5^e Folge. 9^{er} Band von den Jahren 1854 – 56.
4to. Prag. 1857.

Denkrede auf Prof. Franz Adam Petrina. Vorgetragen in der
Sitz. der Naturw.-Math. Section der Kön. Böhm. Gesell. der Wiss.
am 10 Dec. 1855. Von Dr. Wilhelm Rudolph Weitenweber. 4to
pamph. Prag. 1856.

Bericht über ein bisher unbekanntes rechtsphilosophisches Manu-
script eines österreichischen Verfassers. Von Dr. Robert Zimmer-
mann. 4to pamph. Prag. 1855.

Der Arabische Kaffee in naturgeschichtlicher, chemischer, diäte-
tischer und ärztlicher Beziehung für Aerzte und Nichtärzte ge-
schildert von Dr. W. B. Weitenweber. 1 vol. 16mo. Prag, etc.
1857.

Society for the Improvement of Horticulture in the Prussian States.

Verhandlungen. Neue Reihe. III. Jahr, Juli bis Dec. 1855.
IV. Jahr, Jan. bis Jun. 1856. 8vo. 2 pamph. Berlin. 1856.

Dr. M. N. Joly.

J. A. Glazes et Le Regime des Herbes. Étude Biographique,
Littéraire, et Physiologique. 8vo pamph. Toulouse. 1856.

Imperial Society for the Acclimation of Animals.

Bulletin. Tome IV. N^{re} 3 – 12. Tome V. N^{re} 1 et 2. 8vo.
Paris. 1857 – 58.

Observatory of Königsberg.

Astronomische Beobachtungen auf der Königlichen Universitäts
Sternwarte zu Königsberg. Abth. 28 und 30. Folio. Königsberg.
1856 – 57.

Netherlands Government.

Flora Batava. Afl. 181. 4to. Amsterdam.

Royal Academy of Sciences, Amsterdam.

Verhandelingen der Konink. Akad. van Wetten. Deel III. 4to. Amsterdam. 1856.

Verslagen en Med.-Afd. Phys.-Math. Deel III. Stuk 3; Deel IV.; Deel V. Stuk 1. — Afd. Letterkunde. Deel I.; Deel II. Stuk 1. 8vo. Amsterdam. 1856.

Lycidas Ecloga et Musæ Invocatio, Carmina quorum Auctori Johanni van Leeuwen, e Vico Zegwaart Certaminis Poetici Præmium secundum e Legato Jacobi Henrici Hoeufft adjudicatum est. 8vo pamph. Amstelodami. 1856.

Dr. Carl Rokitansky.

Lehrbuch der Pathologischen Anatomie. Zweiter Band. 8vo. Wien. 1856.

Royal Bavarian Academy.

Abhandlungen der Philos.-Philol. Classe der Königl. Bayerisch. Akad. der Wissenschaften. Band VII. Abth. 1. 4to. München. 1856.

Gelehrte Anzeigen. Bande XLII. und XLIII. 4to. München. 1856.

Royal Society of Sciences, Upsal.

Nova Acta Regiæ Societatis Scientiarum Upsaliensis. Vol. XIV. Pars II. 4to. Upsal. 1850. — Seriei Tertiæ, Vol. II. Fasc. Prior. 4to. Upsaliæ. 1856.

Royal Society of Sciences, Leipzig.

Abhandlungen der Kön. Säch. Gesell. der Wissenschaften. — Math.-Physisch. Classe. Band V. pp. 379 – 682. — Philolog. Historisch. Classe. Band III. pp. 509 – 922. Royal 8vo. Leipzig. 1856 – 57.

Imperial Mineralogical Society, St. Petersburg.

Verhandlungen der Russ. Kaiserl. Mineral. Gesell. zu St. Petersburg. Jahr. 1854 – 56. 8vo. St. Petersburg. 1855 – 56.

Imperial Academy of Sciences, St. Petersburg.

Mémoires. VI^me Serie. Sciences Politiques, Histoire, Philologie. Tome VIII. 4to. St. Petersburg. 1855. — VI^me Serie. Sciences Mathématiques, Physiques, et Naturelles. Tome IX. Seconde Partie. Sciences Naturelles. Tome VIII. 1 vol. 4to. St. Petersburg. 1855.

Mémoires Présentés à l'Acad. Imp. des Sciences, par divers Savants et lus dans ses Assemblées. Tome VII. 4to. St. Petersburg. 1854.

Compte Rendu de l'Académie. Années 1852-55. 3 vols.
8vo. St. Petersburg. 1853-56.

Administration of Mines of Russia.

Compte Rendu Annuel. Addressé à S. Exc. M. de Brock, Ministre
des Finances, par le Directeur de l'Observatoire Physique Central,
A. T. Kupffer. Année 1855. 4to. St. Petersburg. 1856.

Imperial Society of Naturalists in Moscow.

Nouveaux Mémoires de la Société. Tome X. 4to. Moscou.
1856.

Bulletin de la Société. Année 1855, N^o 3 et 4. Année 1856,
N^o 1. 8vo. Moscou. 1855-56.

Natural History Society in Emden.

Kleine Schriften. Die Gewitter des Jahres 1855. Von Dr. M.
A. Prestel. 8vo. Emden. 1856.

L. A. Huguet Latour.

Report of the Commissioners of Public Works of Canada for the
Year ending 31st December, 1855. 1 vol. 8vo. Toronto. 1856.
[Legisl. Doc.]

American Oriental Society.

Journal. Vol. V. No. 2. 8vo. New York. 1856.

Charles F. Barnard.

Proceedings of the Twentieth Annual Meeting of the Association
for the Support of the Warren Street Chapel. 12mo pamph.
Boston. 1857.

Royal Society of London.

Philosophical Transactions for the Year 1856. Vol. CXLVI.
Parts 2 and 3. 4to. London. 1856.

Proceedings. Vol. VIII. Nos. 23 and 26. 8vo. London.
1856-57.

List of the Fellows of the Royal Society, 30th November, 1856.
4to. London.

Meteorological Observations made at the Radcliffe Observatory,
Oxford, in the Year 1855, under the Superintendence of Manuel J.
Johnson, M. A., Radcliffe Observer. 8vo pamph. Oxford. 1856.

Catalogue of Stars near the Ecliptic, observed at Markree during
the Years 1854-56, and whose Places are supposed to be hith-
erto unpublished. Vol. IV. containing 14,951 Stars. 8vo. Dub-
lin. 1856.

Astronomical and Magnetical and Meteorological Observations

made at the Royal Observatory, Greenwich, in the Year 1855, under the Direction of George Biddell Airy, Esq., M. A., Astronomer Royal. 1 vol. 4to. London. 1857.

Isaac Lea, LL. D.

Descriptions of Four New Species of Exotic Uniones, and Thirteen of Exotic Melaniana. Description of the Byssus of the Genus Unio, etc. 8vo pamph. Philadelphia. 1857.

Observations on the Genus Unio, together with Descriptions of New Species in the Family Unionidæ. Vol. VI. Pt. I. 1857. 4to. Philadelphia. 1857.

Major Benjamin Alvord, U. S. A.

The Tangencies of Circles and of Spheres. 4to pamph. Philadelphia. 1856. [Smithsonian Contributions to Knowledge.]

Alexis Jordan.

Nouveau Mémoire sur la Question relatif aux *Ægilops triticoides* et *speltæformis*. 8vo pamph. Paris. 1857.

Dr. N. B. Shurtleff.

Fourteenth Report to the Legislature of Massachusetts, relating to the Registry and Returns of Births, Marriages, and Deaths, in the Commonwealth, for the Year ending Dec. 31, 1855. By Francis DeWitt, Secretary of the Commonwealth. 1 vol. 8vo. Boston. 1857.

Abstract of the Census of the Commonwealth of Massachusetts, taken with Reference to Facts existing on the First Day of June, 1855, with Remarks on the same. Prepared under the Direction of Francis DeWitt, Secretary of the Commonwealth. 1 vol. 8vo. Boston. 1857.

American Philosophical Society.

Transactions. New Series. Vol. XI. Part I. 4to. Philadelphia. 1857.

Proceedings. Vol. VI. Nos. 57 and 58, Jan. to June, and July to Dec., 1857. 8vo. Philadelphia.

B. A. Gould, Jr., P. D.

Astronomical Journal. Vol. V. Nos. 7-16. 4to. Albany. 1857-58.

Edouard Desor.

Une Dernière Ascension. 8vo pamph. Neuchatel. 1854.

Du Climat des Etats-Unis et de ses Effets sur les Habitudes et les Mœurs. 8vo pamph. Porrentruy. 1853.

- Échinides Nummutitiques. 8vo pamph. Porrentruy. 1853.
Natural History Society of Montreal.
- Canadian Naturalist and Geologist, and Proceedings of the Natural History Society of Montreal. Vol. II. Nos. 2 – 6. Vol. III. No. 1. 8vo. Montreal. 1857 – 58.
- G. M. Schultzy.*
 Theorie der Gegensätze oder Entwurf des Normalprinzips. 8vo. Königsberg. 1851.
- K. K. Geologischen Reichsanstalt, Wien.*
 Jahrbuch. VII. Jahr. N^{ro} 1, 2, und 3. 8vo. Wien. 1856.
- Society of Arts, Manufactures, and Commerce.*
 Journal of the Society of Arts, and of the Institutions in Union. Vol. V. Nos. 215 – 245. 8vo. London. 1857.
- Catalogue of the Ninth Exhibition of Inventions. Appendix I. to Vol. V. of Journal. 8vo. London. 1857.
- Charles Francis Adams.*
 The Works of John Adams, Second President of the United States. With a Life of the Author, Notes, and Illustrations, by his Grandson, Charles Francis Adams. 10 vols. Royal 8vo. Boston. 1856.
- Imperial Academy of Sciences, Vienna.*
 Sitzungsberichte. Math.-Natur. Classe. Band VI. Heft 1 – 4; Band XX. Heft 2 und 3; XXI. 1 und 2; XXII. 1, 2, und 3; XXIII. 1; Register Band XI. – XX. — Phil.-Hist. Classe. Band VI. Heft 1 – 5; XXI. 3; XXII. 1 und 2. — 8vo. Wien. 1851, 1856, 1857.
- Denkschriften. Math.-Natur. Classe. Band XII. 4to. Wien. 1856.
- Tafeln zu den Sitz. der Phil.-Hist. Classe. Band VI. Heft 1, 2, 3. (Archæologische Analecten von Joseph Arneth.) Folio. Wien. 1851.
- Die Alterthümer vom Hallstätter Sabzberg und dessen Umgebung. Von Friedrich Simony. Als Beilage zu den Sitz. der Philos.-Histor. Classe der Kais. Akad der Wissenschaften. (Band IV. 1850. S. 338.) Folio. Wien. 1851.
- Tageblatt der 32 Versammlung Deutscher Naturforscher und Ärzte in Wien im Jahre 1856. No. 1 – 8. 4to. Wien. 1856.
- Museum of Natural History in Paris.*
 Archives. Tome VIII. Livr. 3, 4. Tome IX. 4to. Paris. 1855 – 57.

American Antiquarian Society.

Proceedings in Boston, April 29, 1857; in Worcester, Oct. 21, 1857. 8vo. 2 pamphs. Boston. 1857.

Archæologia Americana. Transactions and Collections of the American Antiquarian Society. Vol. III. 8vo. Cambridge. 1850.

Academy of Natural Sciences, Philadelphia.

Proceedings. Vol. VIII. Nos. 3-5. Vol. IX. pp. 17-228. 8vo. Philadelphia. 1856-57.

Journal (N. S.). Vol. III. Pt. 4. 4to. Philadelphia. 1858.

Catalogue of Human Crania, in the Collection of the Academy of Natural Sciences of Philadelphia, based upon the 3d ed. of Dr. Morton's Catalogue of Skulls, &c. By J. Aitken Meigs, M. D. 8vo. Philadelphia. 1857.

American Association for the Advancement of Science.

Proceedings of the Tenth Meeting, held at Albany, New York, August, 1856; Eleventh, at Montreal, Canada East, August, 1857. 2 vols. 8vo. Cambridge. 1857-58.

W. C. Redfield.

On the Cyclones or Typhoons of the North Pacific Ocean; with a Chart showing their Courses of Progression. By W. C. Redfield. 8vo pamph. Philadelphia. 1856.

William J. Rhees.

An Account of the Smithsonian Institution, its Founder, Building, Operations, etc., prepared from the Reports of Prof. Henry to the Regents, and other Authentic Sources. 8vo pamph. Washington. 1857.

New York Historical Society.

Collections (2d Series). Vol. III. Part 1. 8vo. New York. 1857.

The Dutch at the North Pole and the Dutch in Maine. A Paper read before the New York Historical Society, 3d March, 1857. By J. Watts De Peyster, a Member of the Society. 8vo pamph. New York. 1857.

Observatory of Harvard College.

Annals of the Astronomical Observatory of Harvard College. Vol. II. Part 1. 4to. Cambridge. 1856.

British Government.

Memoirs of the Geological Survey of India. Vol. I. Part 1. With a Map. 8vo pamph. Calcutta. 1856.

Observations made at the Magnetical and Meteorological Observatory at Toronto in Canada, under the Superintendence of Major-General Edward Sabine, R. A. Vol. III. 1846 – 48. 4to. London. 1857.

Tables de la Lune, construites d'après le Principe Newtonien de la Gravitation Universelle, par P. A. Hansen, Directeur de l'Observatoire Duñal de Gotha. 1 vol. 4to. Londres. 1857.

Mercantile Library Association of the City of New York.

Thirty-sixth Annual Report of the Board of Direction, May, 1857. 8vo pamph. New York. 1857.

Academy of Sciences of the Imperial Institute of France.

Comptes Rendus. Tome XLIV. Nos. 11 – 26 ; XLV. ; XLVI. 1 – 4. 4to. Paris. 1857 – 58.

Royal Society of Sciences, Göttingen.

Nachrichten vom Jahre 1856. 1 vol. 12mo. Göttingen. 1857.

Edward Scheutz.

Specimens of Tables, calculated, stereomoulded, and printed by Machinery. 1 vol. 8vo. London. 1857.

Mercantile Library Association of the City of Boston.

Twenty-Seventh Annual Report. 8vo pamph. Boston. 1857.

Royal Prussian Academy.

Abhandlungen der Königl. Akad. der Wissenschaften zu Berlin. 1 vol. 4to. Berlin. 1856.

Monatsbericht. Jan. – Dec. 1856. 11 Nos. 8vo. Berlin. 1856.

Society of Geography of Paris.

Bulletin. 4^{me} Serie. Tome XIII. 8vo. Paris. 1857.

M. le Baron Cauchy.

Lettre de M. Biot à M. de Falloux. 8vo pamph. Paris. 1857.

Smithsonian Institution.

Smithsonian Contributions to Knowledge. Vols. VI. and IX. 4to. Washington. 1854 – 57.

Tenth Annual Report of the Board of Regents of the Smithsonian Institution, showing the Operations, Expenditures, and Condition of the Institution up to Jan. 1, 1856, and the Proceedings of the Board up to March 22, 1856. 1 vol. 8vo. Washington. 1856. [Ex. Doc.]

Eleventh Annual Report, for the Year 1856, and the Proceedings of the Board up to Jan. 28, 1857. 1 vol. 8vo. Washington. 1857. [Ex. Doc.]

Observatory, Washington.

Maury's Wind and Current Charts. Gales in the Atlantic. Folio. Atlas. Washington. 1857.

John D. Runkle.

New Tables for determining the Values of the Coefficients in the Perturbative Function of Planetary Motion, which depend upon the Ratio of Mean Distances. 4to pamph. Cambridge.

R. J. Meigs.

Catalogue of the Tennessee State Library. 8vo pamph. Nashville. 1855.

Com. Thos. J. Page, U. S. N.

Track Survey of the Rivers Salado, Parana, and Colastina. Surveyed by Com. Thos. J. Page, U. S. S. Water-Witch. 1855.

Mouths of the Parana and Uruguay (Sheet No. 1). Martin Garcia and Martin Chico Channels (Colonia to Higueritas).

Track Survey of the River Parana (Sheet No. 2). Buenos Ayres to Paloma Island.

Track Survey of the River Paraguay (Sheets 10 – 15).—9 Charts. New York.

El Observatorio de Marina de San Fernando.

Almanaque Nautico, para et Año 1858. Calculado de S. M. en el Observatorio de Marina de la Ciudad de San Fernando. 1 vol. 8vo. Cadiz. 1856.

Imperial Society of Sciences, Agriculture, and Arts, Lille.

Mémoires. Année 1856. 2^e Serie. Tome III. 8vo. Lille et Paris.

Royal Academy of Sciences, Turin.

Memorie. Serie Seconda. Tomes XIII. – XVI. 4to. Torino. 1853 – 57.

A. T. Kupffer.

Compte-Rendu Annuel, par le Directeur de l'Observatoire Physique Central, A. T. Kupffer. Année 1855. Suppl. 4to pamph. St. Petersbourg. 1856.

Observatory of Prague.

Magnetische und Meteorologische Beobachtungen zu Prag, 16 Jahrgang. 1 vol. 4to. Prag. 1857.

Royal Observatory, Brussels.

Annales de l'Observatoire Roy. de Bruxelles, publiées aux Frais de l'Etat par le Directeur, A. Quetelet. Tome XI. 4to. Bruxelles. 1857.

Royal Academy of Sciences, &c. of Belgium.

Mémoires. Tome XXX. 4to. Bruxelles. 1857.

Mémoires Couronnés et Mémoires des Savants Etrangers, publiées par l'Académie. Tome XXVII. 1855-56. Tome XXVIII. 1856. 4to. Bruxelles. 1856.

Bulletins de l'Académie. Tome XXII. II^{me} Partie. 1855. Tome XXIII. I^{er} et II^{me} Partie. 1856. 8vo. Bruxelles. 1855-56.

Annuaire de l'Acad. Roy. de Belgique, 22^e et 23^e Année. 1856-57. 2 vols. 16mo. Bruxelles.

Rapport adressé à M. le Ministre de l'Interieur sur l'Etat et les Travaux de l'Observatoire Royal, pendant l'Année 1856. Par le Directeur, A. Quetelet. 8vo pamph. Bruxelles.

Notice sur G. J. A. Baron de Stassart. Par A. Quetelet. 12mo pamph. Bruxelles. 1854.

Notice sur Philippe Lesbroussart. Par A. Quetelet. 12mo pamph. Bruxelles. 1855.

Notice sur Dominique François-Jean Arago. Par A. Quetelet. 12mo pamph. Bruxelles. 1855.

A. Quetelet.

Annuaire de l'Observatoire Royal de Bruxelles, 1856-57, 23^e et 24^e Année. 2 vols. 16mo. Bruxelles. 1855-56.

Observations des Phénomènes Périodiques pour l'Année 1853. 4to pamph. Bruxelles. 1853.

Society for the Advancement of the Physical Sciences, Freiburg, I. B.

Berichte über die Verhandlungen der Gesellschaft für Beförderung der Natur-Wissenschaften. Heft 1, 2, und 3. 8vo. Freiburg, I. B. 1855-57.

Samuel Kneeland, Jr., M. D.

Mémoires de l'Académie Royale de Chirurgie. 15 vols. 12mo. Paris. 1773-74.

A Dictionary of the Otchipwe Language, explained in English. . . . By the Rev. Frederic Baraga. 1 vol. 16mo. Cincinnati. 1853.

Elements of Geometry, with Practical Applications, for the Use of Schools. By T. Walker. 1 vol. 12mo. Philadelphia. 1835.

First Principles of the Differential and Integral Calculus, or the Doctrine of Fluxions, . . . taken chiefly from the Mathematics of

Bezout, and translated from the French by John Farrar. 1 vol. 8vo. Cambridge. 1824.

An Elementary Treatise on Arithmetic, taken principally from the Arithmetic of S. F. Lacroix, and translated into English . . . by John Farrar. 1 vol. 8vo. Cambridge. 1818.

Elements of Geometry, by A. M. Legendre. Translated from the French . . . by John Farrar. 1 vol. 8vo. Cambridge. 1819.

A System of Arithmetic, reprinted from the Mathematical Text-Book compiled by the late President Webber, for the Use of the University at Cambridge. 1 vol. 8vo. Cambridge. 1812.

An Elementary Treatise on the Application of Trigonometry to Orthographic and Stereographic Projection, &c. By John Farrar. 1 vol. 8vo. Cambridge. 1822.

Catalogue of Pneumatic Instruments manufactured and sold by N. B. & D. Chamberlain; with Experiments illustrated by numerous Engravings and Notes. 1 vol. 8vo. Boston. 1844.

Denison Olmsted, LL. D.

Address on the Scientific Life and Labors of William C. Redfield, A. M., First President of the American Association for the Advancement of Science. Delivered before the Association at their Annual Meeting in Montreal, Aug. 14, 1857. 8vo pamph. New Haven. 1857.

Blinden Anstalt, Braunschweig.

Physiographie des Herzogthumes Braunschweig und des Karz-Gebirges, . . . von Prof. W. Lachmann. Theil I. Névellement. Theil II. Geognosie. 8vo. Braunschweig. 1851 - 52.

Charles F. Chandler.

Miscellaneous Chemical Researches. — Inaugural Dissertation for the Degree of Doctor of Philosophy, addressed to the Philosophical Faculty of the University of Göttingen. 8vo pamph. Göttingen. 1856.

David K. Tuttle.

Miscellaneous Chemical Researches. — Inaugural Dissertation addressed to the Philosophical Faculty of the Georgia Augusta University, Göttingen, on Promotion to the Degree of Doctor of Philosophy. 8vo pamph. Göttingen. 1857.

George C. Caldwell, B. S.

The Fatty Acids contained in the Oil of the *Arachis Hypogæa*
VOL. IV. 12

and the Oleic Acid Series.— Inaugural Dissertation prepared for Promotion to the Degree of Doctor of Philosophy, and addressed to the Philosophical Faculty of the Georgia Augusta University at Göttingen. 8vo pamph. Göttingen. 1856.

United States Patent-Office.

Report of the Commissioner of Patents for the Year 1856.— Agriculture. 1 vol. 8vo. Washington. 1857. [Pub. Doc.]

Dr. C. A. F. Peters.

Astronomische Nachrichten. Band XLV. Herausgegeben von Prof. Dr. C. A. F. Peters. 1 vol. 4to. Altona. 1857.

Zoological Society of London.

Transactions. Vol. IV. Pt. 4. 4to. London. 1857.

Proceedings. Pt. XXIV. No. 305 to end of Volume. Pt. XXV. Nos. 327, 328. 8vo. London. 1856–57.

Nathan Appleton.

Remarks on Currency and Banking: having reference to the Present Derangement of the Circulating Medium in the United States. (3d ed.) With an Appendix. 8vo pamph. Boston. 1857.
Charles T. Beke, Ph. D., F. S. A., etc.

An Inquiry into M. Antoine d'Abbadie's Journey to Kaffa, in the Years 1843 and 1844, to discover the Source of the Nile. (2d ed.) 8vo pamph. London. 1851.

A Letter to M. Daussy, President of the Central Committee of the Geographical Society of France. 8vo pamph. London. 1850.

Hon. Charles Sumner.

Report of the Commissioner of Patents for the Year 1856.— Agriculture. 1 vol. 8vo. Washington. 1856. [Pub. Doc.]

Maps and Views to accompany Message and Documents. 1856–57. 1 vol. 4to. Washington. 1857. [Pub. Doc.]

Zoologisch-Botanischer Verein zu Wien.

Verhandlungen. Band VI. Jahr 1856. 8vo. Wien. 1856.

Separatabdruck Naturwissenschaftlichen Abhandlungen aus den Schriften des Zööl.-botan. Vereins in Wien. 1 vol. 8vo. Wien. 1856.

Royal Academy of Sciences, Stockholm.

Öfversigt af Kongl. Vetenskaps Akademiens Forhandlingar.— Trettonde Årgång 1856. 8vo. Stockholm. 1857.

Exposition des Operations faites en Lapponie, pour le Determination d'un Arc du Meridien en 1801, '02, et '03, par Mess. Öfverbom,

Svanberg, Holmguist et Palander. Redigée par Jöns Svanberg....
1 vol. 8vo. Stockholm. 1805.

British Association for the Advancement of Science.

Report of the Twenty-sixth Meeting, held at Cheltenham, in
August, 1856. 1 vol. 8vo. London. 1857.

Trustees of the Astor Library.

Catalogue or Alphabetical Index of the Astor Library. In Two
Parts. Part I. Authors and Books. A – E and F – L. Roy. 8vo.
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MAY 25, 1858. — ANNUAL MEETING.

The PRESIDENT in the chair.

The President, in behalf of the Council, reported that at the present time the Academy has upon its list

147 Resident Fellows,
78 Associate Fellows, and
74 Foreign Honorary Members,

and mentioned their actual distribution among the classes and sections. The foreign list, which, at the last anniversary, bore the full number allowed by the statutes, now exhibits one vacancy, caused by the death of the celebrated mathematician Cauchy.